

TAREA DE PLATAFORMA # 4

15-10-21

$$1. \frac{2y-14}{y^2-2y-35} \div \frac{6y-30}{y^2-25} =$$

$$\frac{2(y-7)}{y^2+5y-7y-35} \times \frac{y^2-25}{6y-30}$$

$$\frac{2(y-7)}{y(y+5)-7(y+5)} \times \frac{(y-5)(y+5)}{2(3y-15)}$$

$$\frac{y-7}{(y+5)(y-7)} \times \frac{(y-5)(y+5)}{3(y-5)}$$

$$\frac{1}{y+5} \times \frac{y+5}{3} = R// \frac{1}{3}$$

$$2. \frac{9x-27}{15x+30} \div \frac{6x^2-18}{14-7x}$$

$$1) \frac{9x-27}{15x+30} \times \frac{14-7x}{6x^2-18}$$

$$5) \frac{3(35x-7x^2-42)}{(5x+10)3(2x^2-6)}$$

$$2) \frac{126x-63x^2-378+189x}{3(5x+10)3(2x^2-6)}$$

$$6) \frac{35x-7x^2-42}{(5x+10)(2x^2-6)}$$

$$3) \frac{315x-6x^2-378}{3(5x+10)3(2x^2-6)}$$

$$R// \frac{-7x^2+35x-42}{10x^3+20x^2-30x-60}$$

$$4) \frac{9(35x-7x^2-42)}{3(5x+10)3(2x^2-6)}$$

$$3) \frac{25x^3y^4}{36m^4n} \div \frac{10x^2y^3}{18m^2n} = \frac{(25x^3y^4)(18m^2n)}{(36m^4n)(10x^2y^3)}$$

$$\frac{450}{360} = \frac{225}{180} = \frac{75}{60} = \frac{25}{20} = \frac{5}{4}$$

$$\frac{5m^2\cancel{m}^3y^4}{4m^4\cancel{m}^2y^3} = \frac{5xy}{4m^2}$$

$$4) \frac{6xy}{5y^2} \div \frac{3x}{10y} = \frac{(6xy)(10y)}{(3x)(5y^2)} = \frac{60}{15} = \frac{20}{5}$$

$$\frac{4x^2y^2}{1x^2y^2} = 4$$

$$5) \frac{3m}{8n^2} \div \frac{9m}{16n^2} = \frac{(3m)(16n^2)}{(8n^2)(9m)} = \frac{48}{72} = \frac{16}{24}$$

$$\frac{4}{6} = \frac{2\cancel{m}^2n^2}{3\cancel{m}^2n^2} = \frac{2}{3}$$